



Friday The 13th Again -- But Y-12ers Are Not Superstitious

Carefulness Instead Of Good Luck Important

There already has been one Friday the 13th this year—now another one turns up this week, and still another in November. It looks like a year for the superstitious to run for the hills—or else lay in a supply of rabbit feet or other good luck charms and keep

their fingers crossed. Few people around these parts are fearful of Friday The 13th—except Frisky Freddie—the cartoon character used to illustrate this piece. After all—a search of records shows no Y-12ers, questioned on the subject, even claim that Friday The 13th brings them good luck instead of bad.

Y-12er Has Complex

Then there's that Y-12er with

the big Friday The 13th complex he experienced as a youngster—seems as how he graduated from high school on Friday, June 13, 1913, there were 13 members of the graduating class and the Y-12er was the 13th and last to receive his diploma—and he lost it on the way home.

Frisky Freddie, however, seems to be beset by a plague of Friday The 13th jinxes. He is dodging

Some Bad Omens, Cures For Same Explained

the black cat, but is heedless of the ladder under which his path might have led him—but then is facing two other hazards—the hole in the ground and the falling can of paint.

Well, maybe he will recover by the time the next Friday The 13th rolls around in November.

Bible Relates Friday Calamities

Why the Friday The 13th Hoo-doo?

The Bible is full of Friday calamities. Adam and Eve were victimized from the Garden of Eden on that day. The flood that made Noah the greatest sailor of all up to that time, also is an event of Friday. The death of Christ occurred on Friday and when the fearful number of 13 is added to Friday (there were 13 at the Last Supper) the result brings shivers to many superstitious characters.

Why are black cats ominous? 'Tis said it is because in days long past it was believed widely that the Devils and his witches prowled the earth in the garb of black felines. The superstition about ladders stems from early mystics who saw the triangle as a symbol of the Trinity and of eternity. Any Frisky Freddie who ambles under a ladder, therefore, is tempting fate—which may retaliate by dropping the can of paint on the hapless pedestrian.

Druids Knocked On Wood

Legend has it that two crossed fingers represent perfect unity—and therefore a good luck omen to counteract cats, ladders and other so-called bad luck fetishes. Knocking on wood is another alleged antidote to the bad luck oppression. Knocking on wood comes from the ancient Druids of England who believed that trees were inhabited by gods who would return the Druid's knock—if the god was in a good mood—and then grant a favor.

That rabbit foot gimmick goes back to the cave men—who were impressed by the way the creature would thump the ground with his hind legs—probably signalling other cottontails.

Of course there are many, many more fetishes of both good luck and bad—for instance, the four-leaf clover and the dropped salt.

Observing Rules Best

However, neither black cats nor ladders, nor rabbit feet or four-leaf clovers can affect the good health of Y-12ers on the job—or off of it as far as that goes—if they just observe simple common sense safety rules.

Just don't be a Frisky Freddie.

Chemicals Company Names R. V. Wallin Vice President

Rolf V. Wallin has been appointed vice-president—engineering, Union Carbide Chemicals Company, division of Union Carbide Corporation, it has been announced by E. E. Fogle, division president.

Wallin joined Union Carbide in 1933 in the engineering department of Union Carbide Chemicals Company at South Charleston. He rose to the position of associate director of engineering in 1953 and was appointed director of engineering in 1956.

He was born in Everett, Mass. He received the degrees of bachelor of science in chemical engineering in 1932 and master of science in chemical engineering in 1933 from Massachusetts Institute of Technology.

LINDE NAMES RESEARCHERS

George H. Wagner has been appointed director of research for the Linde Company, Division of Union Carbide Corporation. He joined the Company in 1941. Robert M. Milton, with Linde since 1946, has been named assistant director, as has Daniel M. Gillies, who joined Linde in 1944.



THE BULLETIN

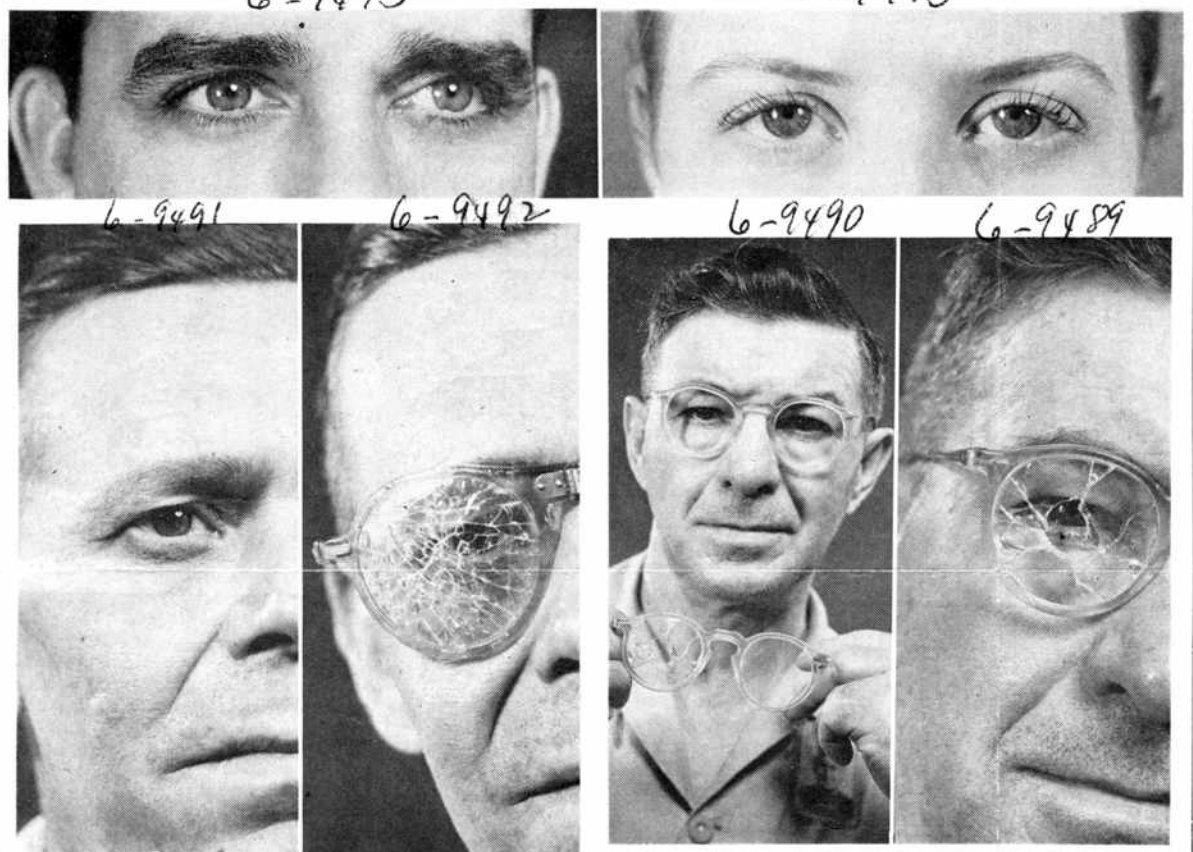
A NEWSPAPER BY AND FOR Y-12 EMPLOYEES OF UNION CARBIDE NUCLEAR COMPANY
DIVISION OF UNION CARBIDE CORPORATION

VOL. 13 — NO. 10

OAK RIDGE, TENNESSEE

Wednesday, March 11, 1959

Cherish Those Eyes -- They Can't Be Replaced



THESE TWO Y-12ERS WELL KNOW THE VALUE OF SAFETY GLASSES—both having been saved from serious eye injuries—possibly blindness—by wearing the protective glasses. At left is H. L. Brown, an outside machinist in Mechanical Maintenance. The eye that was saved was his right optic, by the safety glasses he was wearing when an anchor bolt he was removing broke and a piece struck the glasses instead of his eye. The other Y-12er is Charley Viar, machinist in the General Machine Shop, who feels safe behind the replacement safety glasses he is wearing after another pair had been shattered by a piece of broken tool bit. These pictures show the men with the actual glasses that saved them from injury.

Eye-Protective Equipment Value Proved In Y-12 Plant

"Cherish those eyes—they're the only ones you'll ever have!" That's the hard-hitting, straight-shooting message sent out to all Y-12ers by the Safety Department.

Every Y-12er can protect his eyes by wearing the proper type of eye protection—safety glasses, goggles and shields of various types provided by the Company on all jobs where eye protection is deemed necessary.

The value of this type of protection has proved its worth time after time in the Y-12 Plant—the protective equipment provided, and required, on many jobs—having saved many employees possible serious eye injuries and possibly blindness.

The Safety Department reminder declares:

"Only the blind, they say, know what it means to see. The eyes that tell us how far it is to the corner, what's on the menu for lunch, where to reach for a pencil and who's coming in a door—are apt to be taken completely for granted. Of all the delicate, automatic mechanisms with which man is so marvelously endowed, none are more delicate than the

eyes so often neglected. Through their exquisite, mysterious working, we live in a world of pictures—pictures with color and depth and movement—as long as sight is maintained.

"How can we be careless with so priceless a gift is hard to understand. Eyes are needed for livelihood—they should be protected to preserve our precious vision."

Those eyes can be protected—use the eye-protective equipment provided. They are provided through Supervision for one purpose—to save that most precious sight that is so valuable to every Y-12er.

CHEMICALS EXPANDS PLANT

The Carbide Chemicals Company of Canada is expanding the polyethylene capacity at its Montreal East Plant. Completion of the work is expected in mid-1960, providing a 60 per cent increase in capacity.

INDIA TO GET TV

India's first television operations are expected to begin this year. Initial programs will be educational only.

SAFETY SCOREBOARD

The Y-12 Plant Has Operated

3,624,000 Man-Hours

115 Days Or

(Unofficial Estimate)

Without A Disabling Injury

Through March 8

Phone 7755

For Daily Report On Accident-Free Hours

Bartol Scientist To Talk At ORNL Physics Seminar

D. M. Van Patter, of the Bartol Research Foundation, Swathmore, Pa., will speak at a meeting of the Oak Ridge Physics Division physics seminar on Thursday afternoon of this week, March 12. The meeting will be at 3:15 p.m. in the auditorium of Bldg. 4500, ORNL, with the discussion subject being "Systematics of Even-even Nuclei." All Y-12 scientific and technical employees interested in the topic are invited to attend the seminar session.

\$144 Million Spent By UC On New Units

Expenditures In 1959 Seen As Being Same

Union Carbide Corporation spent \$144,000,000 for new facilities in 1958, according to the Corporation's annual report mailed recently to stockholders. Expenditures in 1959 are expected to be at approximately the same level. During the last 10 years, the Corporation has averaged more than \$125,000,000 a year in construction expenditures, for a total of approximately \$1¼ billion. These expenditures cover new facilities in the United States, Puerto Rico and Canada.

About 67 per cent of the total spent in 1958 was for new chemicals and plastics facilities. The industrial gases (and carbide) group accounted for about 17 per cent; the metals group 12 per cent; and the electrodes, carbons, and batteries group four per cent.

Fluorocarbons Unit Completed

Significant projects completed in 1958 in the United States included a new unit at Institute, W. Va., for producing fluorocarbons, which are used as aerosol propellants and refrigerants; and a polyethylene plant at Seadrift, Tex., which went into operation in May.

Major expansion programs were completed during the year at three large plants for producing liquid oxygen, nitrogen and argon in Indiana, Ohio and California. New facilities at Institute, W. Va., doubled capacity for the production of acrylonitrile, a major starting material for man-made fibers. Additional production of vinyl resins, which find their way into a great variety of applications, such as electrical insulation, flooring, automotive interiors, sheeting for inflatable uses, and high-fidelity records. Additions to a battery plant at Asheboro, N. C., doubled its capacity and also provided facilities for production of a new group of alkaline batteries.

In Canada, several major construction projects were completed in 1958. These included the Corporation's second plant in Canada for the production of polyethylene film; new polyethylene resin facilities at Montreal East, Quebec, which doubled capacity of the plant; and a large liquid oxygen plant and the Corporation's first tonnage gaseous oxygen plant at Sault Ste. Marie, Ontario.

Overseas Operations Expanding

Overseas companies affiliated with Union Carbide spent approximately \$29,000,000 on construction in 1958, compared with \$32-\$00,000 in 1957. These companies have substantial operations in Europe, Great Britain, Mexico, South America, Australia, New Zealand, Africa, India, southeastern Asia, and the Philippines. They operate in the fields of alloys, ores and minerals, batteries, electrodes, calcium carbide, in-

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The Bulletin

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Y-12 Employees Of
UNION CARBIDE
NUCLEAR COMPANY
Division Of
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Four Y-12ers Given Promotions March 1 Mechanical Operations Men Are Advanced



W. B. Tyree Jerome Cogswell



N. E. Hoffman W. D. Sisson, Jr.

Four Y-12ers in the Mechanical Operations Division received promotions to the rank of foreman, effective March 1. All were in the General Machine Shop prior to their promotion and three have been transferred to the Beta Four Heavy Machine Shop with one remaining in the General Machine Shop.

Among the new foremen, the Y-12er with the longest Company Service is Warren Bertram Tyree, who was employed on August 17, 1945. He was advanced from the post of metal fabricator in the General Machine Shop to foreman in the same department.

Jerome Cogswell, who came to Y-12 on March 20, 1953, was promoted from metal fabricator in the General Machine Shop to foreman in the Beta Four Heavy Machine Shop.

Norman Eugene Hoffman was a sheet metal worker, first class, in the General Machine Shop before his promotion and transfer to the Beta Four Heavy Machine Shop. He was employed on May 9, 1956.

William D. Sisson, Jr., also was a sheet metal worker, first class, in the General Machine Shop before his promotion and transfer to the Beta Four Heavy Machine Shop. His employment dates from February 24, 1958.

TVA Steam Plant Design To Be Told At AIEE Meet

Various features of the electrical design of the Kingston Steam Plant will be described to the Oak Ridge Section of the American Institute of Electrical Engineers tomorrow night, Thursday, March 12. The meeting will be at 8 p.m. in the Coral Room of the Ridge Recreation Hall, Oak Ridge.

The speaker will be L. R. Sellers, chief of the procurement section in electrical design for the Tennessee Valley Authority. His talk will prepare the section for a field trip to the Kingston Steam Plant at 1 o'clock Saturday afternoon, March 14.



It'll be doffing of the hats come next Tuesday to all the good Irishers around the place as St. Patrick's Day will be revered by the wearers of the green—so don't forget to wear that green tie, those green socks, them green shamrocks, etc. and so forth. Oh yes, please let's all rise and join in that grand old tune, "When Irish Eyes Are Smilin'" in honor of the occasion—or maybe perhaps "Who Dunked The Overalls In Mrs. Murphy's Chowder."

Oh well—here goes for the rounds of the day—

TECHNICAL

The Metallurgical Development family of Development Operations is congratulating Art Neeley and his wife on the birth of a son on March 2. The youngster was named Keith Hollrock.

SHIFT SUPERINTENDENTS AND UTILITIES

Utilities sends get well wishes to ailing Oscar M. Blackwell, Jr., and Bill Mee.

MAINTENANCE

Barbara Thomas, Process Maintenance, reports the acquisition of another grandniece—her second—on March 4 at Baptist Hospital, Knoxville. The date marked the birth of little Carol Frances Irwin, six pounds, one ounce, whose mother is Mrs. Mary Kathryn Irwin, daughter of the Y-12er's oldest sister. Among other coincidences in the family, Mrs. Irwin's birthday (she's Barbara's niece, of course) is the same as that of Barbara.

Scene in a big plant employment office.

Personnel Interviewer: What previous experience have you had and what work have you done?"

Pretty Job Candidate: "I was a secretary. All I had to do was to look like a girl, think like a man, act like a lady and work like a dog."

FINANCE AND MATERIALS

Eddie Burchfield, of Stores, is a vacationer, but didn't leave word of his plans or destination . . . M. Neal is on the miseries list and get well wishes are extended.

Visitors at the home of Evelyn Crouse, Engineering Records, have been relatives from Marion, Va. . . Escorting his wife to the Knox County teacher's banquet at the Beaver Brook Country Club last Friday night was Kenneth McNabb.

MECHANICAL OPERATIONS

Vic Henegar, of Z Area, is a Florida vacationer and envied by one and all . . . Rapid recovery wishes are sent Rusty Bailey, on the sick list . . . A warm welcome has been extended to newcomers Tay Moon, D. E. Perkins, D. H. Bowman and K. L. Johnson.

The Sunflower Shop had several sick folks on the roster last week, so sent get well wishes to S. A. Morton, Ben Rankin and J. S. Steward, the latter having been confined to Oak Ridge Hospital . . . C. E. Keaton selected Atlanta for his vacation . . . C. A. Holt overlooked relating his plans before taking off on vacation . . . H. E. Cornell was a recent week-end visitor with his daughter up in Lexington, Ky. . . The red rug of welcome was rolled out for newcomers Mildred Morris, J. A. Myers, J. P. Parker, W. R. McManus, W. D. Davis and J. A. Whitney.

One of those damyankee tourists came on a Tennessee hillbilly farmer holding a hog up to an apple tree while the porker munched on the fruit.

"Isn't that a slow way to feed him?" asked the DY.

"Could be," agreed the hillbilly, "but, shucks, what's time to a hawg."

PLANT ENGINEERING

Mechanical Engineering believes Bill Forrester will need a hat two sizes larger now that he has a new four-pound, 14-ounce granddaughter in Keysport, N. J. . . While the limelight is on Bill, let's report the surprise party friends held February 27 on the occasion of Bill's and his wife's 25th wedding anniversary . . . The C'est Bon Restaurant was all a-bustle Tuesday night of last week with the American Society of Tool Engineers shindig, during which Nora Hurst was installed as secretary and Lon McNeil as treasurer, respectively—the department is honored . . . Not meaning to be catty about this—but it is a good thing W. I. Galyon is not superstitious as he has three more cute little black kittens at his house.

INDUSTRIAL RELATIONS

The Fire and Guard Department extends sincere condolences to the family of Guard T. D. Ogle, who died February 28 at his home in Powell . . . Get well wishes are sent Guard R. F. England, at home in Concord with the miseries . . . Fireman W. T. Galyon is vacationing but didn't leave a forwarding address.

Note to Motorist Jones.

Better be late, Mr. Jones—than the LATE Mr. Jones.

Y-12ers With 15, 10 Years Company Service

Congratulations to the Y-12ers listed below who will complete 15 years of Company Service within the next few days. No Y-12er has a 10th employment anniversary during the next week.

15 YEARS

Oscar W. Blackwell, Plant Utilities Administration, March 13.

Tennyson W. Berry, Janitors, March 14.

Dora D. Bagwell, Beta Two, March 14.

Orville D. Matlock, Research Services, March 14.

Irene Posey, Janitors, March 15.

John P. Wood, Chemical, March 15.

Verney O. Sharp, Production Assay, March 16.

Charles P. Coughlan, Development Operations, March 16.

SHURE, IT'S CORNED BEEF AND CABBAGE FOR SPECIAL ON OLD ST. PADDY'S DAY

"Begorrah and the top 'o th' marnin' to ye all," will be the greeting to one and all at the Y-12 Cafeteria next Tuesday, March 17. Shure, and it will be St. Patrick's Day—in the marnin' and all day long—and, of course, in keeping with the occasion the main dish on the 50-cent Special Lunch to be served that day will be—none else—corned beef and cabbage. As an appetizer to the Special Lunch next Tuesday, the Cafeteria will serve frankfurters and baked beans as the main dish on the Special Lunch tomorrow, Thursday, March 12. Each Special Lunch also includes one vegetable, choice of salad or dessert and rolls and butter.

"Come and get it," says Cafeteria maitre d' Hotel, George J. McNamee.



Rides Wanted, Offered

Ride wanted from Adair Drive section, Fountain City, to North Portal, H Shift. C. L. Newman, plant phone 7433, home phone Knoxville MU 7-3895.

Rider wanted from Washington Pike, Whittle Springs, Inskip areas via Knoxville-Clinton Pike to Central Portal, straight day. W. L. McCormick, plant phone 7-5302, home phone Knoxville 2-5207.

Car pool member wanted from North Knoxville section to any portal, straight day. Jack Bounds, plant phone 7-8437, home phone Knoxville 7-8437.

Car pool member wanted from Norwood section, East of Knoxville-Clinton Pike, to any portal, C Shift. Henry Crouse, plant phone 7272, home phone Knoxville MU 7-3657.

Ride wanted or will join car pool from Illinois Ave., and West Outer Drive, Oak Ridge, to Central or West Portal, straight day. O. T. Smith, plant phone 7085, home phone Oak Ridge 5-9865.

Riders or car pool members wanted from Rambling Acres or West Haven sections, Knox County, to any portal, D Shift. Bradley Napier, plant phone 7466, home phone Knoxville 3-1064.

Want to join car pool from Fountain City, Smithwood or Inskip sections to North Portal, straight day. R. Waldrop, plant phone 7325, home phone Knoxville MY 1-4422.

Two riders wanted or will join car pool from Rambling Acres or West Haven sections, Knox County, to East Portal, straight day. A. L. Sawyer, plant phone 7-8445, home phone Knoxville 5-6543.

Ride wanted from 830 Vermont Ave., Knoxville, to West Portal, straight day. J. G. Yearwood, plant phone 7733, home phone Knoxville 2-1810.

Ride wanted from Park Ave., Clinton, to Central Portal, straight day. Althea Stooksbury, plant phone 7-8547, home phone Clinton 510.

Ride wanted from 2615 Woodbine Ave., Park City section of Knoxville, to Central Portal, straight day. E. B. Oglesby, plant phone 7764, home phone Knoxville 5-9278.

Ride wanted from 114 Latimer Road, Oak Ridge, to West Portal, J Shift. A. T. Jinks, plant phone 7-8520, home phone Oak Ridge 5-6258.

Ride wanted from Stone Road, South Knoxville, just off Chapman Highway, to Central Portal, straight day. Tay Moon, plant phone 7-8487, home phone Knoxville 7-6342.

The boss had just returned from his annual vacation with pay. He looked unusually gay.

"How was your vacation," he was asked.

"Fine, just fine," replied the boss, "but there's nothing like the feel of a good desk under your heels again."

Security is part of your job.



A STORK SHOWER was given by Y-12 gals in the Engineering Division February 20 for Barbara Pullen, formerly of Mechanical Engineering, who has left to take up housewifely duties. In the top picture Clara Hickey, left; and Louise Scoggin, right; hostesses at the affair, flank the honoree. Mr. Stork, himself, is the character below, all ready to bestow his little bundle of joy. Other guests at the shower included Lettie Ault, who took these pictures; Louise Stallard, Bonnie Reesor, Norma Kennedy, Ronnie Stegglein, Esther Moody, Helen McNew, Doris Thomas, Evelyn Crouse, Bill Grizzell and Lillian Higgins.

Ridge Building Program Topic At ASCE Meeting

William A. Bonnett, director of the area construction division for the Atomic Energy Commission, will be guest speaker at a meeting of the Oak Ridge Branch of the American Society of Civil Engineers tomorrow night, Thursday, March 12. The meeting will be at 8 p.m. in the Blue Room of the Ridge Recreation Hall.

Bonnett's subject will be "The AEC Construction Program for Oak Ridge, Past, Present and Future." All Y-12 members of the ASCE and the public are invited to attend the session.



Get well wishes are extended the following Y-12 employees who were patients last week in the Oak Ridge Hospital:

J. S. Steward, Sunflower Shop; D. R. Alford, Forming; W. C. Nation, Process Design; S. G. Holder, Development Operations; J. E. Boland, Process Maintenance; W. T. McGee, Chemical; M. D. Bates, J. C. Chamblee, M. L. Patterson and E. H. Johnson, General Machine Shop; R. D. Miller, Mechanical Maintenance; E. F. Rutherford, Utilities.

HART WINS FIFTH Y-12 BOWLING CHAMPIONSHIP

Three Golf Loops To Meet In Week

Harriman, Oak Ridge, Deane Hill To Form

The Harriman Golf League for players from Y-12, Oak Ridge National Laboratory and the Oak Ridge Gaseous Diffusion Plant will reorganize for the 1959 season at a meeting tomorrow night, Thursday, March 12. The meeting will be held at the Davis Diner, on U.S. Highway No. 70, at Midway, between Kingston and Rockwood, beginning at 7:30 o'clock.

This league drew players last year from Harriman and the Kingston - Rockwood areas. Eight two-man teams composed the circuit with golfers from all three Union Carbide Nuclear Company units in Oak Ridge enlisted.

Ridge Had 24 Teams

Following this meeting, the Oak Ridge Golf League, composed entirely of Y-12 players, will meet at 1 o'clock next Tuesday afternoon, March 17. This meeting will be in Conference Room 222A, Bldg. 9704-2. The Oak Ridge Golf League was the biggest of all Carbide links loops last year with 24 teams competing.

Another three-plant UCNC league will hold its organizational meeting for this season at 7:30 o'clock Tuesday night, March 17. That will be the Deane Hill League, which will meet at the Deane Hill Country Club in Knox County. This league also has eight two-man teams competing in 1958.

More Meetings Scheduled

The Lenoir City and Whittle Springs Leagues, the latter in Knoxville and both composed of Y-12ers, will hold their meetings a week after the previous sessions. The Lenoir City circuit, a 10-team loop in 1958, will meet at 1 o'clock Tuesday afternoon, March 24, in Conference Room 222A, Bldg. 9704-2. At the same time and place on Thursday, March 26, the Knoxville golfers will meet. There were 14 teams in that league last season.

The Y-12 Plant Softball League will be organized at a meeting set for 1 o'clock Tuesday afternoon, March 31.

Scrappers Surge To Mixed Loop Top

Although they could only gain a tie with the Alley Cats, the Scrappers took over first place in the Mixed League of Y-12 men and women bowlers last week when the lowly ABCs nipped the Nip and Tucks for three points. The race was considerably tightened when two other trailing teams each turned in four-point whitewash wins, the Pin Plasters pounding the Phantoms and the Rockets clipping the Clippers. Joe Dunlap paced the Pin Plasters with a 209 scratch and 227 handicap game and 522 scratch series. J. Henry, ABCs, also had a 227 handicap game and 592 handicap series. On the feminine side Joyce Gillihan, Nip and Tucks, had the best scratch game of 166; Bonnie Reesor, Pin Plasters, topped the handicap game scorers at 218; Mary Scott, Rockets, had a 432 scratch series; and Joann Osborne, Alley Cats, 574 handicap series. The Alley Cats had the best team game scores of 627 and 794. The Scrappers and Pin Plasters tied at 1697 for scratch series and the Pin Plasters went on to roll the high handicap series of 2261.

League standing follows:

Team	W	L
Scrappers	25	11
Nip and Tucks	24	12
Alley Cats	21	15
Phantoms	19	17
Clippers	16	20
Pin Plasters	16	20
Rockets	13	23
ABCs	10	26



THE Y-12 EAGLES VOLLEYBALL TEAM in the Carbide Two-Plant League are shown here. In the front row, from left, are Lloyd Wyatt, captain; Jim Anderson and Ray Williams. In the rear are Bill Belvin, Charley Robinson, Jim Gilchrist and Paul Johnson.

Fishing Rodeo Opens Saturday

13-Week Long Event To Draw Many Anglers

From the number of entry blanks already issued, the first Y-12 fishing rodeo of the season, opening at 12:01 a.m. on Saturday of this week, March 14, is expected to draw a record number of anglers to the fishing waters of this section of the state. The event will run for 13 weeks, concluding at midnight, Monday, June 13.

Any Y-12 angler who has not yet obtained entry blanks may obtain them at the Recreation Office, Room 265, Bldg. 9704-2, or from members of shift recreation committees. The entry blanks have complete rules and the species of fish eligible for the contest.

The deadline for returning the entry blanks to the Recreation Office or the Y-12 Fishing Rodeo Committee will be at noon Wednesday, June 17.

Handsome prizes of articles for outdoor sportsmen will be given to first and second place prize winners in the rodeo.

Eagles Top C Cats In Volleyball Tilt

The Y-12 C Shift Cats, last-place team in the Carbide Two-Plant Volleyball League, gave their fellow-Y-12ers, the Eagles, the scrap of their lives in the feature engagement in loop action last week. The Eagles had to strain every feather to eke out a 20-18, 17-15, 15-3 win in the longest match of the season to date.

In another all-Y-12 engagement the Hunters hopped on the Punks for a 15-3, 15-9, 15-3 triumph in another hard-fought tilt. The Oak Ridge Gaseous Diffusion Process Engineers rallied to beat the Y-12 Beavers by 9-15, 15-8, 15-11 count. The ORGDP league-leading A Shifters kept their lofty perch by popping the Process Engineers by 15-1, 15-13, 15-0. The Engineers then bumped the Beavers by 15-9, 15-8, 15-11.

Team	W	L
A Shift	11	1
Hunters	7	2
Beavers	10	5
Eagles	6	6
Punks	5	7
Process Engineers	6	12
C Shift Cats	0	12



LI'L FELLER—BIG FISH—This is Dillon Moore, 4, holding a fine sauger pike caught by his dad, Capt. Emmett Moore, of the Fire and Guard Department. The lunger was taken from the Little Tennessee River near Loudon with a minnow for bait. It has been entered in the Y-12 Annual Fishing Contest.

Chillers, Engineers Tied In C League

The Chillers chilled the Daffodils for four points and the Engineers dried out the Dry Hides for three with the winners getting a two-way tie for first place in C League alley activities of March 2. Two other shutout wins were posted by the up and coming Wacos over the Alley Cats and Goof Balls over the Knot Heads. Murderer's Row dragged B Shift out of a first place deadlock by taking three points and the Sunflowers thumped the T Squares by the same score.

Bobby "Long Out" Loy was the cool man for the Chillers with a 236 scratch and 256 handicap game and an even 600 scratch series. Rutherford, Knot Heads, had the top handicap series score of 671. The Wacos led the field in team series scoring with 2467 scratch and 3028 handicap. The Sunflowers were high in single game scoring with 891 and 1038.

League standing follows:

Team	W	L
Chillers	10	2
Engineers	10	2
B Shift	9	3
Daffodils	8	4
Murderer's Row	7	5
Wacos	7	5
Goof Balls	7	5
Sunflowers	5	7
Alley Cats	3	9
Dry Hides	3	9
T Squares	3	9
Knot Heads	0	12

Don't feel too badly—everybody is ignorant on some subject or other.

Nell McGinnis Is Women's Winner; Sportsmen Cop Men's Team Title

Champs Also Share In Doubles Honors

Little Len Hart has done it again—adding his fifth Y-12 Plant Bowling championship in a row to a brilliant record over the past several years. He did it by scoring a scratch 1786 in the men's all events in the annual Y-12 pin party last week end at the Ark Bowling Lanes. This mark was 34 pins below his winning mark last year.

The women's champion for 1959 is Nell McGinnis with a 1318 all events scratch. She succeeds Dot Park, who did not compete this year.

Wolves Take Second Place

In team competition the Sportsmen of the Classic League took first place in both scratch and handicap series with 2620 and 3025. The Wolves were second in scratch at 2588 and the Chillers were handicap runners up with 2932.

Hart and Miss McGinnis also won other honors in the tourney. Hart teamed with Hubert Trippe to win the men's doubles scratch with 1195. Miss McGinnis teamed with Shirley Brown for a similar victory on the distaf side with 899 scratch and 1103 handicap. Nell also paired off with J. C. Bryan for first place in mixed doubles with a 998 scratch and they also took second place handicap at 1145.

Koons Wins Men's Singles

In men's singles it was Elmore Koons with the high scratch score of 595. J. D. Brown was second at 586 and in handicap scoring it was J. Halsey with 650 and Koons with 646.

In women's singles Louise Eubanks hit the jackpot with 421 scratch and 565 handicap. Nancy Garrison had 403 scratch and Georgie Rader 554 handicap for

ALL CARBIDE TOURNAMENT SET APRIL 4, 5, 11, 12

With the Y-12 1959 Bowling Tournament now history, men and women bowlers now will turn their attention to the All-Carbide tourney to be held on two April week ends — April 4-5 and 11-12 at the Ark Lanes. Entry blanks now are available from all Y-12 league secretaries and at the Y-12 Recreation Office, Room 265, Bldg. 9704-2. Len Hart, of Y-12, was the men's champion last year in the All-Carbide, having won the all events scratch honors for the meet. Several other Y-12 teams and individuals also took top honors in the event.

second places. Miss Eubanks also was runnerup to Nell McGinnis in the all events scratch at 1225 and first in handicap with 1557. Joyce Gillihan had 1652 for second handicap.

Groppe Runnerup To Champ

In the men's all events scratch second place was taken by Wayne Groppe at 1727. Wayne Groppe and George Riddle tied for first place handicap with 1871 and Jack Spears was next with 1854.

Second place in men's doubles scratch went to Ed Gambill and Frank Gragg with 1171 and this pair also took handicap honors with 1264. Frank Tiller and H. Dyer came in second with a 1261 handicap.

The husband-wife team of Elmore and Mavis Koons finished a close second in mixed doubles with 996, just two pins off the pace. In handicap scoring it was Joann Baker and A. Bittner with 1201.

Mary Scott and Georgie Rader were in second place in women's doubles with 830 and Helen Clark



HE'LL HAVE ANOTHER trophy to add to this collection. It's Len Hart, top, who won the Y-12 Plant Bowling Championship for the fifth straight time last week end. Below are Nell McGinnis, left, feminine champion, and Shirley Brown, who with Miss McGinnis took the women's doubles crown in both scratch and handicap.

Y-12 Riflemen Set New Loop Record

High Scores Posted For Second Week

The Y-12 rifle team set a new season's record for the second straight week in the Oak Ridge Sportsmen's Association Winter Rifle League action on March 2 when they walloped the Oak Ridge Gaseous Diffusion Plant gunmen by 1366 to 1038 scratch and 1456-442 to 1437.367 in handicap scoring. The Y-12ers have clinched the league championship, which has been held by the Oak Ridge National Laboratory for the past four years.

In the Y-12 Plant League action of March 2, the Tackholes beat the Pinwheels in both scratch and handicap to again gain a tie for first place as the 10X team handed the Centershots a similar loss.

Scoring for the night was high for the Y-12ers with C. B. Brewster posting 276 scratch, followed by Team Capt. A. J. Blay and Dave Dewalt, both with 275; Bobby Powers 273 and Ray Tiller 267. Tiller led the handicap scoring with 293.390 with Blay a close second at 293.188. Then came Powers with 291.398, Dewalt 289-513 and Brewster 288.953.

The Sportsmen's Association League standing follows:

Team	W	L
Y-12	29	2
ORNL	22	9
ORGDP	10	21
Independents	0	31

PLANT LEAGUE STANDINGS

Team	W	L
Centershots	14	6
Tackholes	14	6
10X	8	6
Pinwheels	4	16

and Joann Baker took second in handicap with 1102.

The high single game for men in the tournament was 258 by R. P. Wallace.

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UT And AEP Announce Spring Registrations

Y-12ers Urged To Make Early Moves For Aid

Registration dates for the University of Tennessee Evening School, the U-T Graduate Program and the Oak Ridge Adult Education Program for the 1959 Spring Quarter classes have been set and Y-12ers interested in enrolling in classes and receive benefits under the Union Carbide Nuclear Company Educational Assistance Program are urged to speed their applications.

The University Evening School registration will be from 6 p.m. to 9 p.m. Friday, March 20, and from 9 a.m. to noon Saturday, March 21. The AEP registration will be from 1 p.m. to 5 p.m. and 6:30 p.m. to 9 p.m., March 16 through March 24, Monday through Thursday. The registration offices for both institutions are in the Oak Ridge High School. Classes for the UT and AEP courses begin March 23.

Registration for the Oak Ridge Graduate Program at the University of Tennessee also will be Monday, March 23. Enrollment for the graduate classes will be made from 6 p.m. to 9 p.m. at the Oak Ridge Institute of Nuclear Studies Training Building, located directly behind the AEC Administration Building. Classes will begin on Tuesday, March 24.

All Y-12ers with more than six months Company Service credit are eligible to apply for benefits under the UCNC Educational Assistance Plan. The Plan pays 50 per cent of the cost of tuition, books, laboratory fees and supplies. Every applicant must receive Supervisory approval to enroll in qualified classes and receive benefits.

In addition to the UT and AEP courses, some correspondence school classes also qualify under the UCNC Plan.

Complete information about details of the UCNC Educational Assistance Plan and courses offered by the UT Evening School and the Adult Education Program may be obtained from Ralph Pearson, Training Department, Bldg. 9704-2, plant telephones 7100 or 7109.

Leading Pistoleers Win Two Matches

The Marksmen and Sharpshooters, leading teams in the Y-12 Pistol League, each won two points in matches of March 3. The Marksmen beat the Masters 496 to 483 scratch and 573.132 to 568.286 handicap. The Sharpshooters took the Experts by 263 to 241 and 289.137 to 287.881.

Paul Williams was top scorer of the night with 263 scratch and 289.137 handicap. T. J. Bush was next in scratch firing with 255 and Carl Brewster was handicap runner-up with 287.881. Third place scratch went to Jim Turner at 243 and Tommy Swindell had 286.884 for third spot in handicap scoring. K. E. Smith, D. H. Tunnell and Dave Alford also fired.

Rebels Take Lead In Classic Loop

The rambunctious Rebels romped to undisputed possession of first place in the Classic League last Thursday night with a rousing four-point whitewash triumph over the Has Beens. The Swingers swung into second place by taking three points from the Screwballs. Landing in third place were the Bumpers, who could negotiate only a tie with the Wasps. The Rippers also tallied a shutout over the Cubs and climbed to within striking distance of the top. Three-point wins also were posted by the Sportsmen over the Eight Balls and the Playboys over the Wolves. Two more deadlocks were posted by the Markers-All Stars and Smelters-Tigers.

Although only getting a tie out of the clash, the Bumpers posted what is believed to be the highest scratch game of the season in any Y-12 loop this season with a gaudy 1030, boosted to 1141 with handicap. The Rebels came through with a 2701 scratch and 3028 handicap series.

The veteran Elmer Green contributed to the Bumpers' good scores by registering a 241 scratch and 269 handicap game and a 669 handicap series. L. G. Freeman also helped the Rebels to their advance with a fine 611 scratch series.

League standing follows:

Team	W	L
Rebels	21	7
Swingers	20	8
Bumpers	19	9
Sportsmen	18	10
Markers	17	11
Smelters	17	11
Rippers	16	12
Eight Balls	16	12
Wasps	15	13
Screwballs	12	16
Has Beens	11	17
Playboys	10	18
All Stars	10	18
Wolves	9	19
Cubs	8	20
Tigers	5	23

Balls O' Fire Blaze To Bush Loop Lead

The Balls O' Fire blazed to first place in the Bush League of Y-12 bowlers March 2 by inflicting a four-point whitewash defeat on the Inspectors. Other shutouts were scored by the Nine Pins over the Bees and Bldg. 9212 over the Beavers, the latter result toppling the losers out of the loop lead. The Hi Balls took three from SNPFT and the Alley Choppers and Lucky Five divided four points.

The best individual game scores were posted by Sahr, Inspectors, with 231 scratch and 263 handicap. McKnight, Lucky Five, rolled a 544 scratch series and Rose, Nine Pins, a 644 handicap series for best of the night. Team scoring honors were split four ways with the Hi Balls listing an 800 scratch game, the Nine Pins a 1003 handicap game, Balls O' Fire a 2303 scratch series and Bldg. 9212 a 2883 handicap series.

League standing follows:

Team	W	L
Balls O' Fire	29	15
Beavers	28	16
Nine Pins	26	18
Bldg. 9212	26	18
Bees	21	23
Alley Choppers	21	23
SNPFT	18	26
Lucky Five	17½	26½
Inspectors	17	27
Hi Balls	16½	27½



AMONG THE CHARTER MEMBERS OF THE OAK RIDGE '43 CLUB are several Y-21ers and former Y-12ers shown in the top picture. From left are Ross Eichorn, Property Sales; Archie Hall, Process Maintenance; R. M. Batch, now with ORGDP; Elmer Olson, now with ORNL; Miss Blanche Gibbs, Medical; Paul Snodgrass, Receiving; A. K. Bissell, SS Control; David Cardwell, now with ORNL; Dr. C. E. Normand, now with ORNL; and J. W. Stevison, Z Area. The lower picture shows the meeting of the group on February 26 when a constitution and by-laws were adopted.

\$144 Million Spent By UC On New Units

Continued from Page 1
dustrial gases, chemicals, and plastics.

Among the overseas construction projects completed or under way in 1958 were plants for the production of ethylene oxide and its derivatives in England and Italy; polyethylene facilities in Australia, Belgium, Brazil, India, Italy, and Scotland; a chemicals plant in India; mining facilities in British Guiana; and a graphite electrode plant in Mexico. In addition, there were substantial expansions of existing production facilities throughout the world.

Union Carbide's expenditures for research and development amounted to approximately \$71,000,000 in 1959, compared with expenditures of approximately \$70,000,000 in 1957. These amounts do not include capital expenditures for research for research facilities, technical sales services and promotion, market research or expense of factory control laboratories.

Among the new research and development facilities completed or nearing completion in 1958 were plastics research and development laboratories at Bound Brook, N. J., and a chemicals technology center at South Charleston, W. Va. Under construction are a customer service laboratory for chemicals at Eastview in Westchester County, N. Y.; and laboratories for nuclear, ore and basic research at Sterling Forest, N. Y.

Improvement in Sales Expected

Total sales of Union Carbide in 1958, as previously reported in a preliminary statement, were \$1,296,532,373. This compared with sales of \$1,395,032,817 in 1957. The chemicals group accounted for approximately 32 per cent of the total sales in 1958. The plastics group contributed approximately 22 per cent; the metals group 19 per cent; the industrial gases (including carbide) 15 per cent; and the electrodes, carbons, and batteries group 12 per cent.

Net income in 1958, also previously reported, was \$124,936,845, or \$4.15 a share on 30,093,183 shares outstanding. In 1957, net income was \$133,740,818, or \$4.45 a share on 30,067,123 shares outstanding. The consolidated balance sheet showed total assets of \$1,530,476,376 in 1958, as compared with \$1,456,353,350 in 1957.

The outlook for 1959, the report stated, is for continued improvement in sales and it is expected that economies of operation effected through cost reductions and technological improvements will result in increased earnings.

Oak Ridge '43 Club Charter Memberships Open To April 1; Many Y-12ers Enrolled

Any Y-12ers who were Oak Ridge residents back in 1943 and who have not yet joined the Oak Ridge '43 Club, may yet obtain charter membership in the group if they act before April 1. That is the deadline for acceptance of charter memberships, according to Mrs. Webster Gildersleeve, secretary of the organization.

Charter membership cards will be issued to all '43 Club members who are enrolled before April 1, she said, and any resident of Oak Ridge during 1943 and who still lives in the city or in a nearby community is eligible to join. Many Y-12ers already have been enrolled in the group.

At a February 26 meeting at the Davis Cafeteria in Oak Ridge, about 50 members were present and adopted a constitution and by-laws for the club. A. K. Bissell, a Y-12er in the SS Control Department and chairman of the Oak Ridge Town Council and also a charter member of the '43 Club, greeted the organization and stated that he was proud to be a '43-er and an Oak Ridge resident.

J. Clyde Bowles, of the Y-12 Mechanical Inspection Department, was named permanent membership committee chairman by Club President G.W.T. Kearsley, of the Oak Ridge National Laboratory and a former Y-12er. Y-12ers who are prospective members are asked to communicate with Chairman Bowles if they wish to join the group. Other committee chairmen appointed were Walter Oschner, finance; W. J. Hatfield, program; Dr. C. E. Normand, archives; and Lester Smith, publicity.

Y-12 Guards Are Honorary Pallbearers At Ogle Rites

With former fellow - employees of the Y-12 Fire and Guard Department serving as pallbearers and the entire Guard Department designated as honorary pallbearers, funeral services for the late Theodore D. Ogle, 44, were held Tuesday, March 3. Mr. Ogle, a member of the Guard Department since his employment on May 25, 1944, died Saturday, February 28, at his home at Powell following a heart attack.

Last rites for the former Y-12er were held at the Mountain View Baptist Church in Sevier County. Interment was in Shiloh Cemetery. The active pallbearers were Capt. Emmett Moore, Lieut. C. S. Waldroop, A. J. Jeffers, S. O. Venable, E. McFarland and G. A. Atchley.

The many Y-12 friends of Mr. Ogle extend their sincere condolences to survivors that include his widow, Mrs. Edith Houk Ogle; one son, Garry Ogle; one daughter,

Reactors, Co-Ops Win Hoop Battles

The Reactors—winners of the first half of the season in the Carbide Two - Plant Basketball League, climbed back into third place in the second-half race last week with a comeback win over the Oak Ridge Gaseous Diffusion Plant D Ramblers by 55 to 38. The ORGDP Lab Demons were idle last week and kept their position at the top of the standings.

The Reactors from Y-12 reacted strongly in the second half against the Ramblers, who led at halftime by 23-21. The ORGDP outfit scored only 15 points in the entire last half. The Ramblers' Smith was high man for the game with 21 points. Taylor with 12, Chandler with 10, Malcomb with nine and Grubb with eight paced the well-balanced attack of the winners.

A second-half rally also was successful for the Co-Ops over their fellow - Y-12 team, the Hawks, to gain a 41 to 35 win. The Hawks got away winging with a 10-3 lead at the first stop, but the Co-Ops came back to tie it up at the half at 19-19. The victors got an 11-8 advantage in each of the last two periods. Murtugh paced the Co-Ops with 17 points, followed by Montgomery with 10. Wright got 15 and Snow 10 for the Hawks.

In a strictly ORGDP battle, the D Ramblers nosed out the Pilot Plant by 41 to 40 in a thriller. Again it was a last-half rally that won the game, as the Pilot Plant had a 27-19 lead at the half. A 14-10 third quarter gave the Ramblers the edge they needed.

The Y-12 Comets got a point in the standings via the forfeit route from the ORGDP All Stars.

League standing follows:

Team	W	L
Lab Demons	5	0
All Stars	3	1
Reactors	3	2
Pilot Plant	2	3
Comets	2	3
Co-Ops	2	3
Hawks	1	3
D Ramblers	1	3

Mrs. J. F. Weeks; and parents, Mr. and Mrs. Clay Ogle, of Sevierville. There also are two grandchildren surviving.

It's strange how quickly a wedding certificate turns into a driver's license.